[Name of Document] Abstract

[Abstract]

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[Problem] It is to provide. The present invention relates to an optical component and the like having a structure that can increase the absolute value of the angular dispersion, and also can reduce the temperature dependence of the diffraction angle. [Solving Means] The prism 20 is composed of a material with a refractive index of  $n_1$ , and a material around the diffraction grating element 10 and the prism 20 has a refractive index of In the case that light of wavelength  $\lambda$  is incident on the diffraction grating element at an incident angle of  $\theta_0$ , then taking the incident angle with respect to the first surface of the prism to be  $\theta_{\,2}$ , taking the emission angle of the light emitted from the second surface of the prism to be  $\theta_5$ , taking the temperature coefficient of the diffraction angle in the diffraction grating element to be  $F_{\text{g}}$ , taking the temperature coefficient of the emission angle heta of the light emitted from the second surface of the prism, assuming that the incident angle  $\theta_{\,2}$  of the light incident on the first surface of the prism is fixed regardless of the temperature, to be  $F_p$ , and taking the magnification rate of the angular dispersion caused by the prism to be  $M_p$ , the relationship " $n_1 > n_0$  AND  $|\theta_5| > |\theta_2|$ " or " $n_1 <$  $n_0$  AND  $|\theta_5| < |\theta_2|''$  is satisfied, whilst also satisfying the relationship "-2MpFg < Fp < 0" or "-2MpFg > Fp > 0".

[Selected Drawing] Fig. 1